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(43) International Publication Date 29 January 2004 (29.01.2004)

PCT

(10) International Publication Number WO 2004/009819 A3

(51) International Patent Classification⁷: 15/67, 15/81, C07K 14/765, 14/79

C12N 15/62,

(21) International Application Number:

PCT/GB2003/003273

(22) International Filing Date:

23 July 2003 (23.07.2003)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

0217033.0

23 July 2002 (23.07.2002) GF

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- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments
- (88) Date of publication of the international search report: 25 March 2004

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: POLYPEPTIDES WITH A SIGNAL SEQUENCE COMPRISING AN FIVSI MOTIF AND OLYNUCLEOTIDES ENCODING THEREFOR

(57) Abstract: The present invention provides a polypeptide comprising (i) a leader sequence, the leader sequence comprising a (a) secretion pre sequence, and (b) the following motif: $-X_1-X_2-X_3-X_4-X_5-$ where X_1 is phenylalanine, tryptophan, or tyrosine, X_2 is isoleucine, leucine, valine, alanine or methionine, X_3 is leucine, valine, alanine or methionine, X_4 is serine or threonine and X_5 is isoleucine, valine, alanine or methionine; and (ii) a desired protein heterologous to the leader sequence. A polypeptide of the invention may additionally comprise, as part of the leader sequence, a secretion pro sequence. The invention also provides a polypucleotide comprising a sequence that encodes a polypeptide of the invention and a cell, preferably a yeast cell, comprising said polynucleotide.



PCT/GB-03/03273

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 C12N15/62 C12N15/67

C12N15/81

CO7K14/765

C07K14/79

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C12N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

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X Fur	ther documents are listed in the continuation of box C.	χ Patent family members	are listed in annex.			
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° Special c	categories of cited documents:	"T" later document published after or priority date and not in co	er the international filing date			
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Internation No PCT/GB 03/03273

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Box I Observations where certain claims were found unsearchable (Co	ntinuation of item 1 of first sheet)
This international Search Report has not been established in respect of certain claims u	inder Article 17(2)(a) for the following reasons:
Claims Nos.: because they relate to subject matter not required to be searched by this Authority.	ority, namely:
2. X Claims Nos.: because they relate to parts of the International Application that do not comply an extent that no meaningful International Search can be carried out, specifical see FURTHER INFORMATION sheet PCT/ISA/210	with the prescribed requirements to such ally:
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the	e second and third sentences of Rule 6.4(a).
Box II Observations where unity of invention is lacking (Continuation o	of item 2 of first sheet)
This International Searching Authority found multiple inventions in this international app	olication, as follows:
As all required additional search fees were timely paid by the applicant, this in searchable claims.	iternational Search Report covers all
As all searchable claims could be searched without effort justifying an addition of any additional fee.	nal fee, this Authority did not invite payment
3. As only some of the required additional search fees were timely paid by the approximately covers only those claims for which fees were paid, specifically claims Nos.:	pplicant, this International Search Report
No required additional search fees were timely paid by the applicant. Consequent restricted to the invention first mentioned in the claims; it is covered by claims.	uently, this International Search Report is Nos.:
	es were accompanied by the applicant's protest. the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box I.2

Present claims 1-6,8-10,12-16,20-27,29 and 38-52 relate to an extremely large number of possible compounds, namely the polypeptide disclosed in claim 1. Support within the meaning of Article 6 PCT and/or disclosure within the meaning of Article 5 PCT is to be found, however, for only a very small proportion of the compounds claimed. In the present case, the claims so lack support, and the application so lacks disclosure, that a meaningful search over the whole of the claimed scope is impossible. Consequently, the search has been carried out for those parts of the claims which appear to be supported and disclosed, namely those parts relating to a peptide comprising the motif -Phe-Ile-Val-ser-Ile- (FIVSI).

The applicant's attention is drawn to the fact that claims, or parts of claims, relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure.

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